

Abstract

Title: Local and global analytical reports on results of data mining
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Abstract:

Thesis focuses on automatized support of local analytical reports creation, utilization of these reports as data sources for global analytical questions and creation of global analytical reports. In the thesis are suggested methods for comparison of rules. These methods are suitable for solving global analytical questions and can also help with composing of local analytical reports. Thesis also describes different kinds of background knowledge. One of them can be used for elimination of uninteresting rules or for finding data matrices with unusual relations. Other is necessary for solving global analytical questions, when rules are created over data matrices describing the same properties with different measures etc. Another important part of the thesis lies on providing a XML structure template for saving outputs of global analysis. It is also possible to use this XML structure for automatized generation of global analytical reports. Last part of the thesis is based on case study which shows how to use the guidelines and methods suggested in previous chapters. Case study solves local analytical question from medical field, using application 4ft Miner and data set ADAMEK. Results of data mining are stored in system SEWEBAR and are used for resolving a few global analytical questions.

Keywords: data mining, local analytical reports, global analytical reports